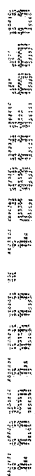




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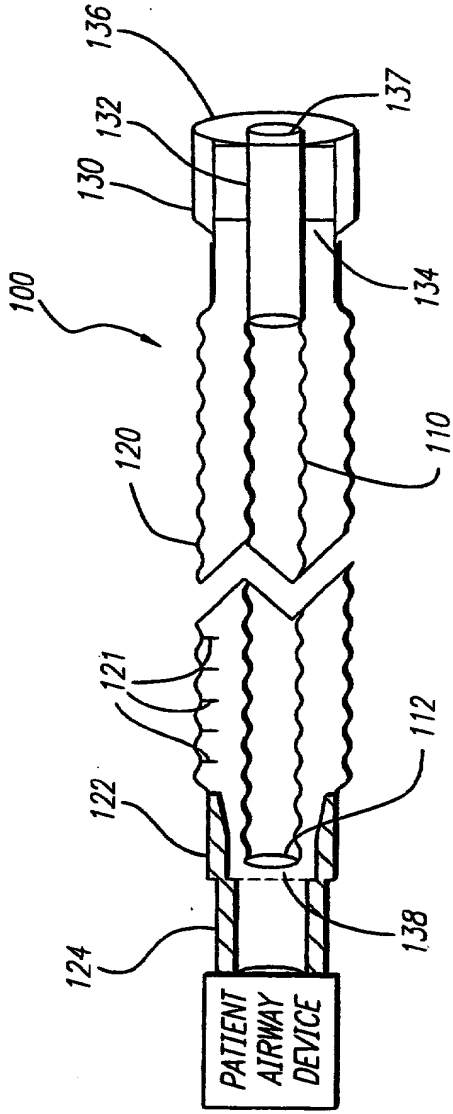


FIG. 5A

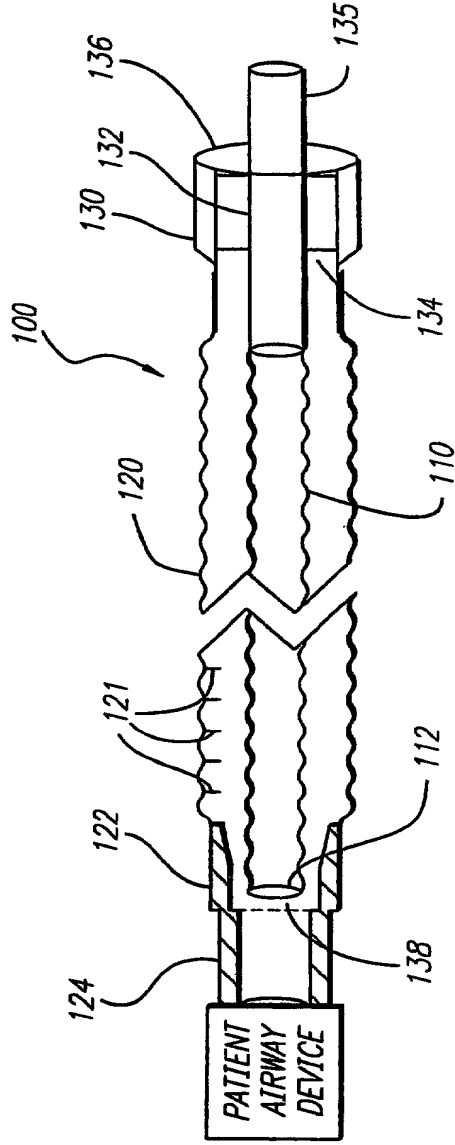
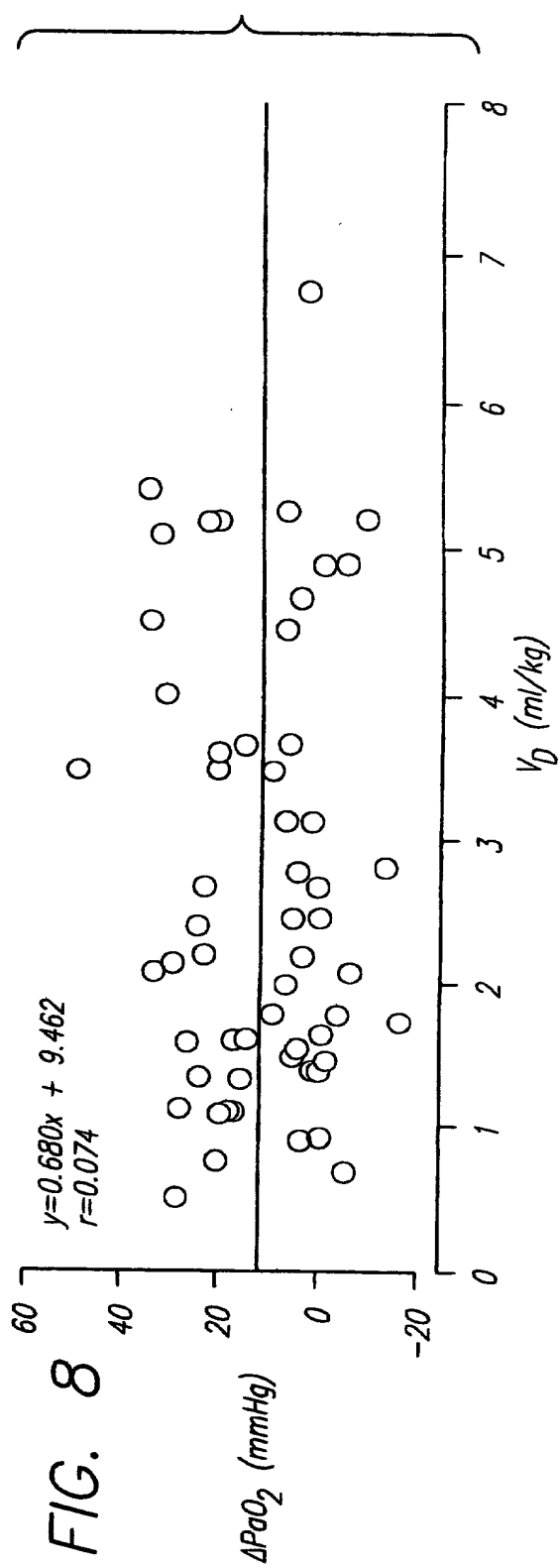
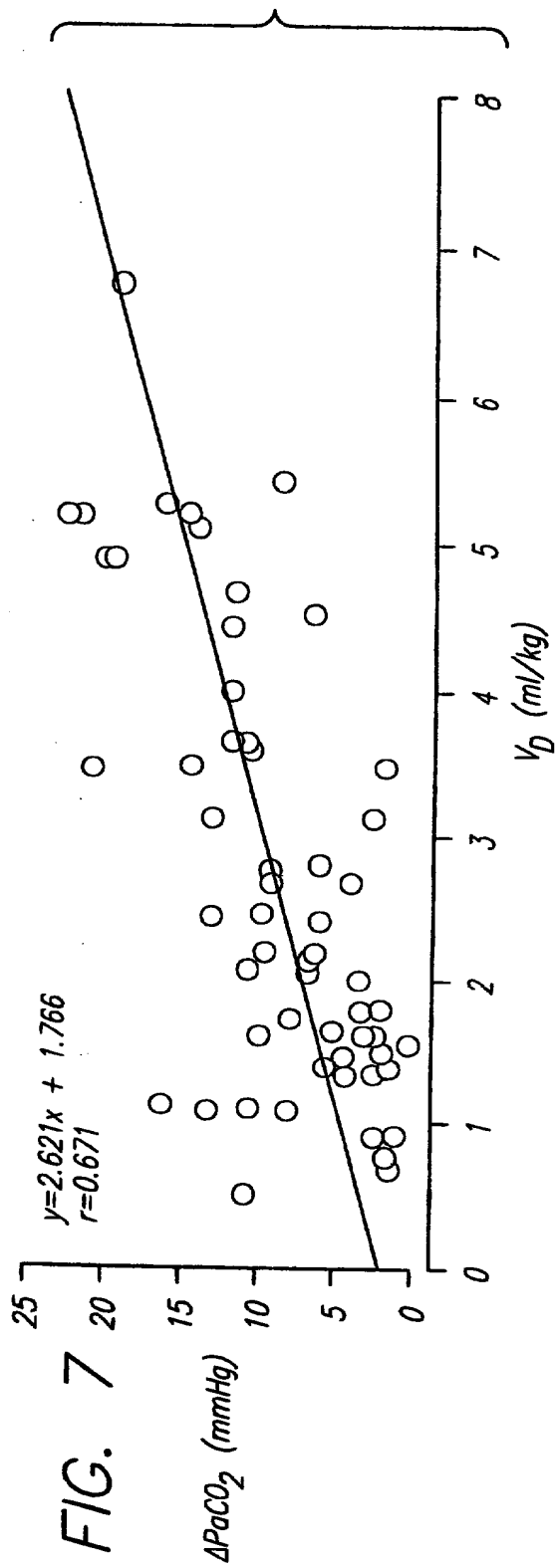
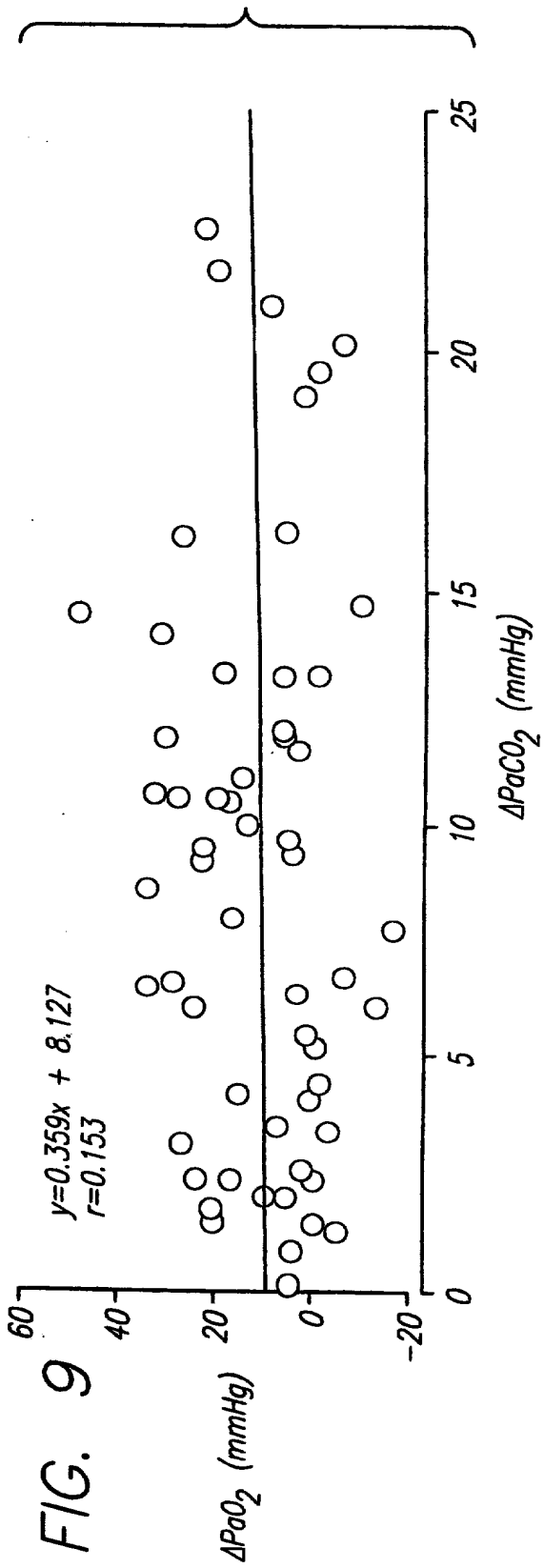


FIG. 5B

**FIG. 6A**





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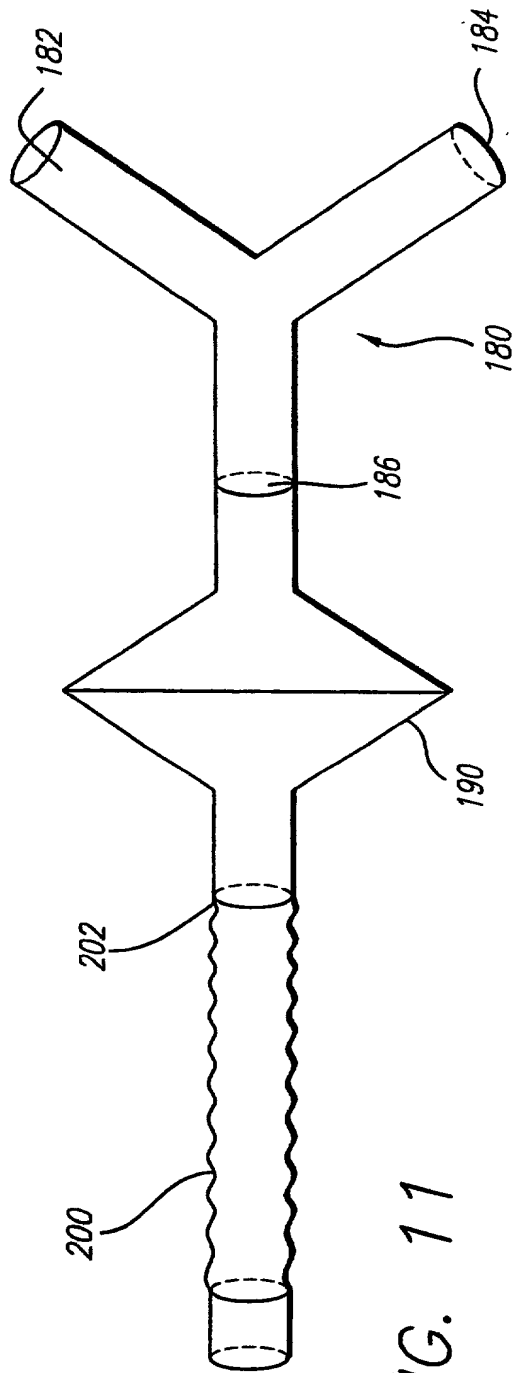


FIG. 10

THE RATE OF INCREASE IN ARTERIAL BLOOD CARBON DIOXIDE TENSION  
IN RELATION TO APPARATUS DEAD SPACE

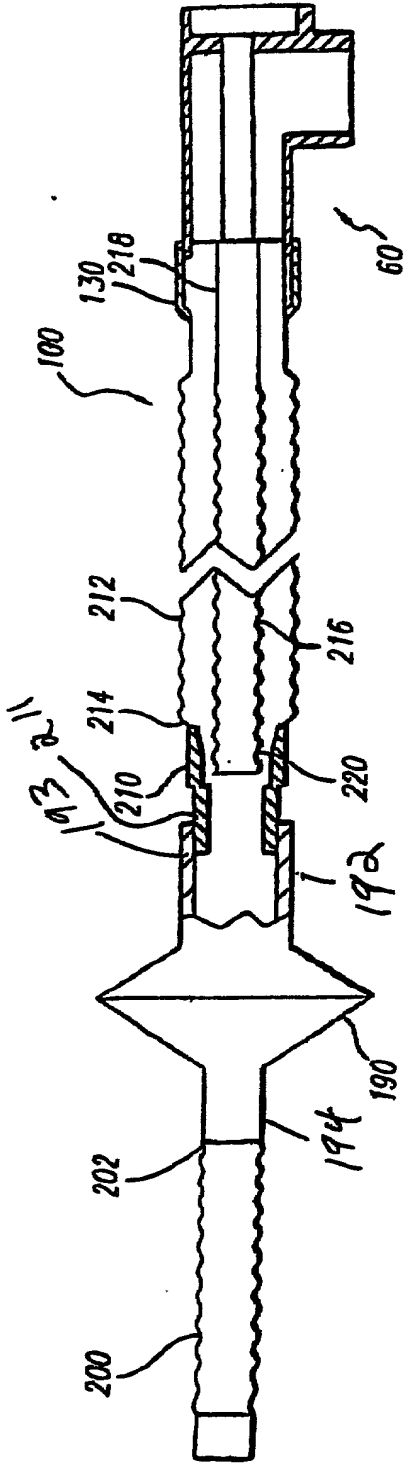
[  $\Delta PCO_2$  (mmHg) VS  $V_D$  (ml) ]

WEIGHT (kg)	DEAD SPACE VOLUME (ml)														
	10	20	30	40	50	100	200	300	400	500	600	700	800	900	1000
3	11	19	28	37	45	89	176	264							
10	4	7	10	12	15	28	54	80	107	133	159	185	211	238	264
20	3	4	6	7	8	15	28	41	54	67	80	94	107	120	133
30	3	4	4	5	6	11	19	28	37	45	54	63	72	80	89
40	2	3	4	4	5	8	15	21	28	35	41	48	54	61	67
50	2	3	3	4	4	7	12	17	23	28	33	38	44	49	54
60	2	3	3	4	4	6	11	15	19	24	28	32	37	41	45
70	2	3	3	3	4	6	9	13	17	20	24	28	32	35	39
80	2	2	3	3	3	5	8	12	15	18	21	25	28	31	35
90	2	2	3	3	3	5	8	11	13	16	19	22	25	28	31
100	2	2	3	3	3	4	7	10	12	15	17	20	23	25	28

$\Delta PCO_2$  (mmHg) =  $2.621 \times V_D$  (ml/kg) + 1.766 (FROM STUDY II)

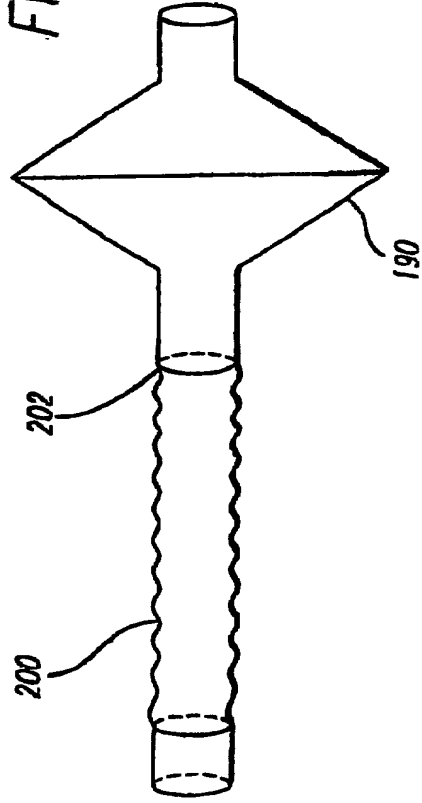


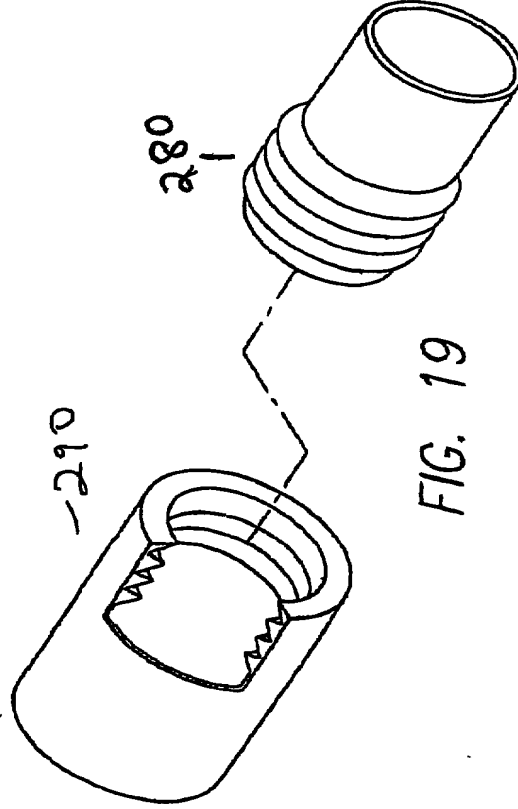
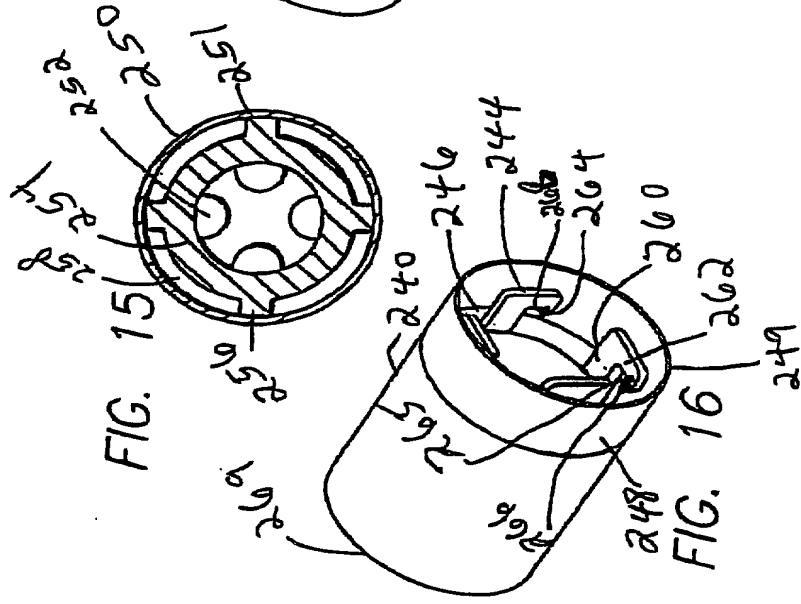
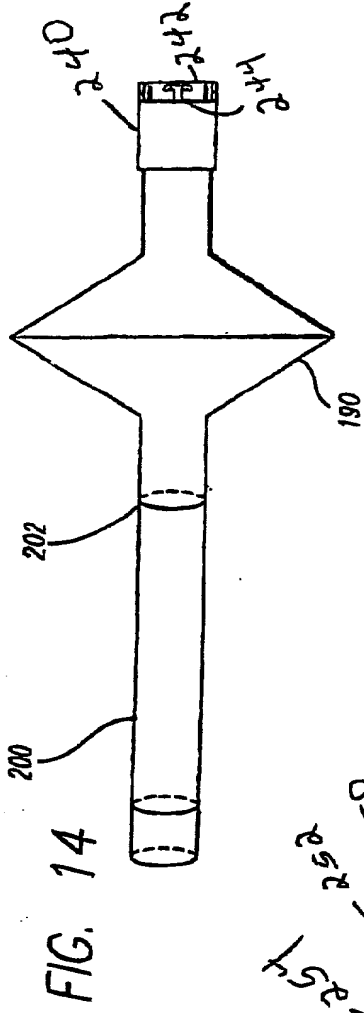
FIG. 12



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FIG. 13





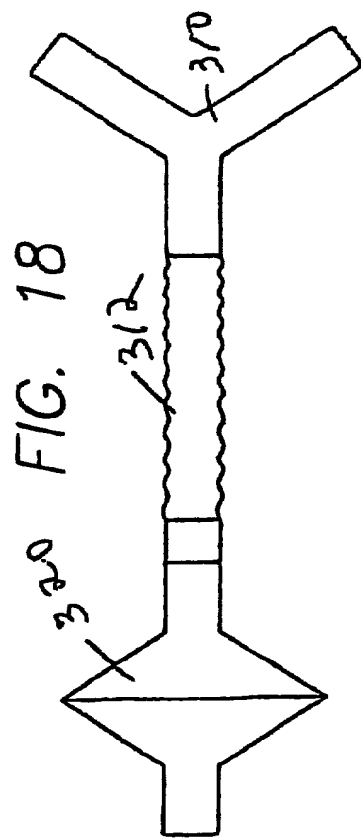
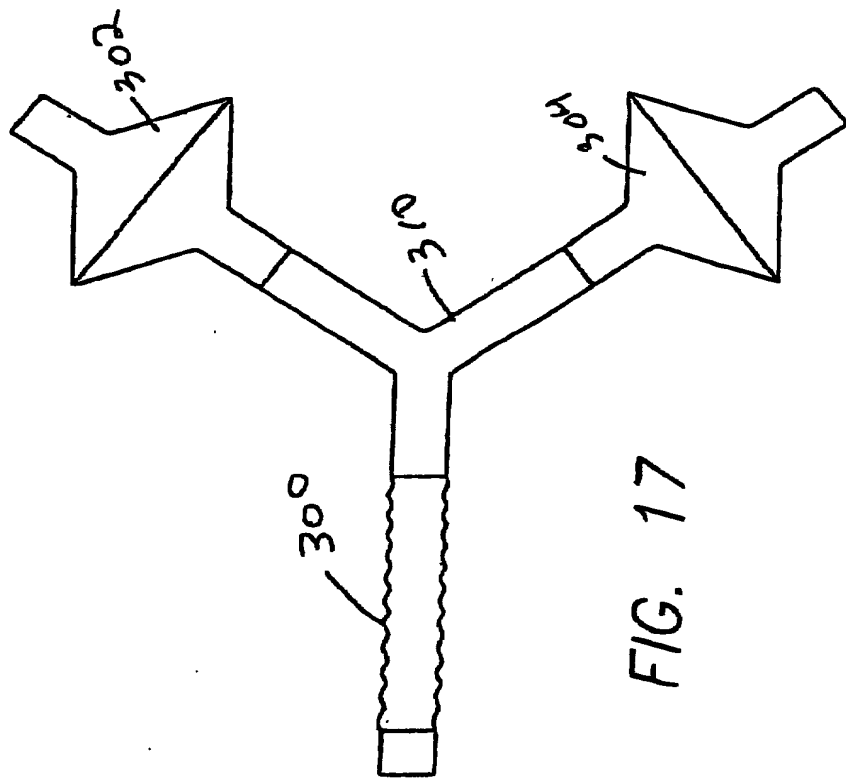


FIG. 20

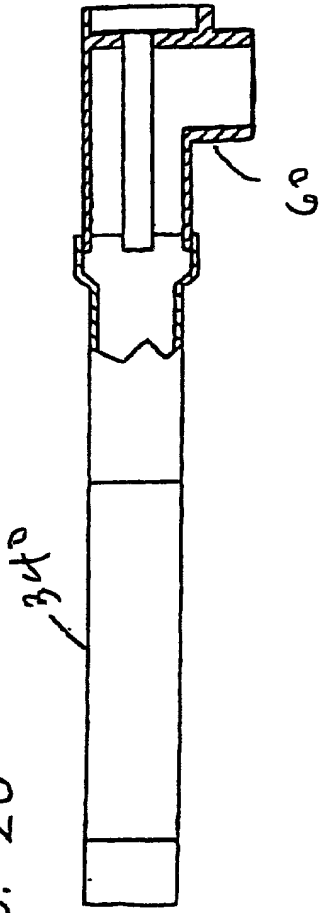
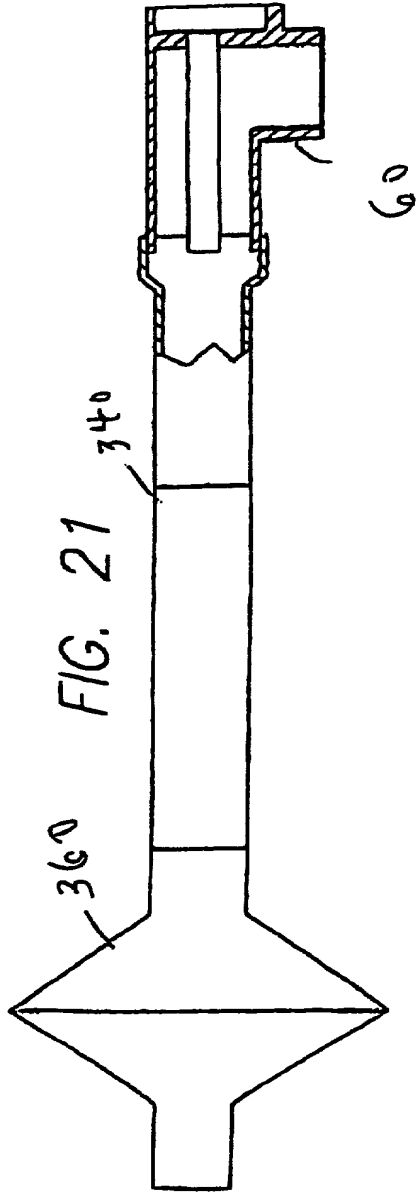


FIG. 21



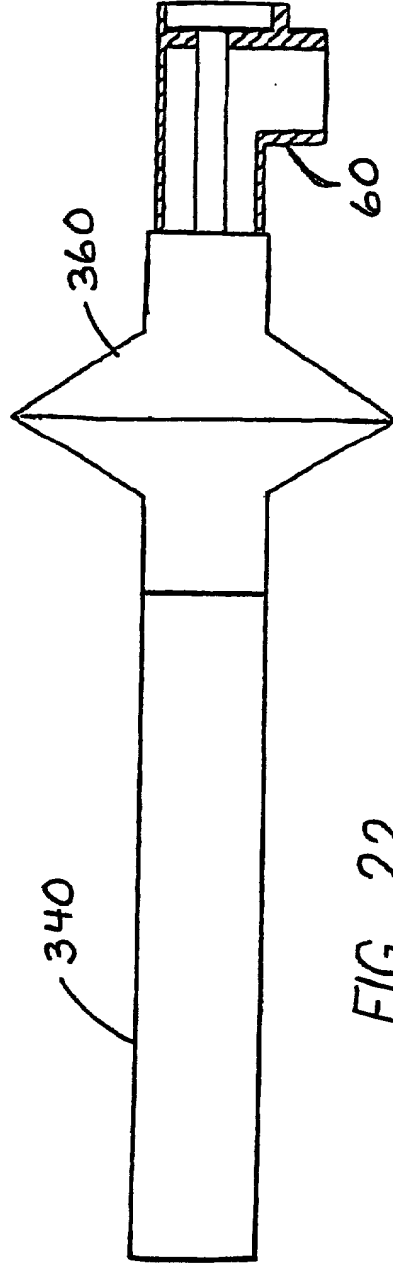


FIG. 22